

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-231648
(43)Date of publication of application : 19.08.2003

(51)Int.Cl. A61K 47/32
A61K 47/48
C08F 2/22
C08F 4/04
C08F 20/28
C08F290/06

(21)Application number : 2002-047738 (71)Applicant : JSR CORP
(22)Date of filing : 25.02.2002 (72)Inventor : KASAI KIYOSHI
HAN KAKUN

(30)Priority
Priority number : 2001374754 Priority date : 07.12.2001 Priority country : JP

(54) PARTICULATE POLYMER FOR CARRYING PHYSIOLOGICALLY ACTIVE SUBSTANCE AND PRODUCTION METHOD THEREFOR

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a particulate polymer for binding physiologically active substances, e.g. proteins such as antibodies, nucleic acid substances, e.g. DNA, RNA or the like or physiologically active saccharide chain compounds to the particle surfaces and is useful in the fields of medicines and biology, more particularly obtain a particulate polymer in which the particles are made hydrophilic and the adsorption of undesired physiologically active substances (the nonspecific adsorption of the substances) is reduced to a lower level.

SOLUTION: A monomer mixture that includes 10 wt.% of a radically polymerizable vinyl monomer bearing hydroxyl groups or methoxy groups is polymerized to obtain the particulate polymer for carrying the physiologically active substances.